

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

# LISTING SERVICE

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**CATEGORY:** Single/Multiple Station Smoke Detector-Ionization

**LISTEE:** Universal Security Instruments, 7-A Gwynns Mills Court, Owings Mills, MD 21117  
Contact: Stephen Babinec (410) 363-3000 ext. 214

**DESIGN:** Models SS-770, SS-770B, \*SS-770-LR, \*SS-771, \*SS-771-LR, SS-775, SS-775B, \*SS-775-LR, \*SS-776, \*SS-776-LR, \*SS-376-LR, \*SS-870, \*SS-870-LR, \*SS-875, \*SS-875-LR, \*SS-876-LR, SS-785, SS-790, and \*SS-795 ionization smoke detectors. Models SS-770, -770B, -775, -775B, \*-775-LR, \*-776, \*-776-LR, \*-376-LR, \*-870, \*-870-LR, \*-875, \*-875-LR, and \*-876-LR are single station, battery operated detectors. Models SS-785, -790 and \*-795 are single and multiple station, AC powered detectors. Models SS-790 and \*SS-795 are also equipped with a battery back-up. \*Model SS-795 also employs a silence feature. Refer to listee's data sheet for additional detailed product description and operational considerations.

**RATING:** SS-770, -770B, \*-770-LR, \*-771, \*-771-LR, -775, 775B, \*-775-LR, \*-776, \*-776-LR, \*-376-LR, \*-870, \*-870-LR, \*-875, \*-875-LR, \*-876-LR: 9VDC  
SS-785, -790, \*-795: 120 VAC

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, electrical rating and UL label.

**APPROVAL:** Listed as single or multiple station ionization smoke detectors.

These units can generate a distinctive temporal code pattern fire alarm signal in accordance with NFPA 72, 1999 Edition. Refer to listee's Installation Instructions Manual for details.

**NOTE:** The ionization type detectors are generally more effective at detecting fast, flaming fires that consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen. The photoelectric type detectors are generally more effective at detecting slow, smoldering fires that smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

\*Rev. 09-17-2002



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **SEPTEMBER 17, 2002**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND**, Senior Deputy  
Program Manager